ADVANCES IN MATHEMATICS 26, 223 (1977)

Book Reviews

C. S. HARDWICK, *Language Learning in Wittgenstein's Later Philosophy*, Mouton, 1971, 152 pp. On reading this thorough description of one theme in Wittgenstein's "Philosophical Investigations," the conclusion, first advanced by S. Cavell, becomes inescapable that the philosophies of the late Wittgenstein and the early Heidegger (to 1932) are basically identical. Unfortunately, Wittgenstein gives examples of an unstated theory, and Heidegger develops a theory without examples.

L. BUDACH AND H. J. HOEHNKE, *Automaten und Funktoren*, Akademie-Verlag, 1975, 383 pp. Warning: Automata theorists have discovered category theory.

M. JAMMER, *The Philosophy of Quantum Mechanics*, Wiley, 1974, 536 pp. Most books with titles like this one—and they are legion—are pathetic repetitions of trite platitudes. Not this one; if you want a book on the foundations of quantum mechanics for your shelves, this is it.

R. L. MARTIN, *The Paradox of the Liar*, Yale University Press, 1970, 149 pp. Anyone who wants ample proof of the sterility and isolation from live contemporary problems of today's analytic philosophy should read this book.

L. D. QUINN, *Challenging Mazes*, Dover, 1975, 45 pp. Variation of a Knossian theme.

J. D. MONK, *Mathematical Logic*, Springer, 1976, 531 pp. Komplete and readable, the best text in mathematical logic in a long time, accessible to lay mathematicians.

W. Y. HSIANG, *Cohomology Theory of Topological Transformation Groups*, Springer, 1975, 164 pp. Up-to-date, courteously and clearly written, and giving background material to the average reader. Unusual behavior in this field.

A. CORNEA AND G. LICEA, *Order and Potential Resolvent Families of Kernels*, Springer, 1975, 154 pp. The latest word in Hunt-style potential theory.

M. R. HESTENES, *Optimization Theory*, Wiley, 1975, 477 pp. It used to be called the calculus of variations, and everybody thought it was as dull as night. Now it is called optimization theory, and everybody thinks it is red hot.

S. ANASTASIO AND P. M. WILLIG, *The Structure of Factors*, Algorithmic Press, 1974, 116 pp. A useful complement to J. T. Schwartz's classic treatise on W^*-algebras, bringing the reader up-to-date on the rapidly intricating classification of factors.

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